

I CLAIM

1. In a tool for beveling the end of a pipe including a hollow, tubular body member having a central, longitudinal axis of rotation, an inboard end and an opposite, outboard end, and a core member disposed coaxially within said tubular body and including a beveling cutter head, the improvement wherein a first of said body and core members is formed with a plurality of longitudinally spaced, transversely oriented latching pin openings and a second of said body and core members is formed with at least one transverse latching pin opening therein, and further comprising a transversely oriented latching pin releaseably engaged in said at least one latching pin opening in said second of said body and said core members and concurrently and alternatively engaged in a single, selected one of said latching pin openings in said first of said body and core members, whereby engagement of said latching pin with both said first and second members longitudinally immobilizes said core member relative to said body member at one of a specific, limited number of reproducible longitudinal distances of extension of said beveling cutter head beyond said outboard end of said body member.

2. A tool according to Claim 1 in wherein said first of said body and core members is said body member and said second of said body and said core members is said core member.

3. A tool according to Claim 2 wherein said core member includes a longitudinal stem located within said body member and coaxially aligned therewith, and said at least one latching pin opening in said second of said body and said core

members is formed as an annular, radial groove in said stem, and said plurality of
5 latching pin openings in said first of said body and core members are formed as parallel
openings offset from radial alignment with said core stem, wherein said core member is
movable telescopically within said body member so that said radial groove is
tangentially aligned with a single, selected one of said latching pin openings in said
body member.

4. A tool according to Claim 3 wherein adjacent ones of said plurality of
transversely oriented latching pin openings in said body member are radially offset
from said longitudinal axis of rotation and are arranged alternately on diametrically
opposite sides thereof.

5. A tool according to Claim 3 wherein said core member is constructed
with a flat, longitudinally extending surface portion, and said body member has a wall
portion with a locking pin opening defined therethrough and further comprising a
locking pin residing within said locking pin opening and passing through said body
5 member and against said flat surface portion of said core member, whereby said body
and said core member are locked for rotation together.

6. A tool according to Claim 2 wherein each of said plurality of
longitudinally spaced, transversely oriented latching pin openings is internally threaded
at the same pitch and diameter and said latching pin is an adjusting screw that has a
head and a shank with an externally threaded proximal portion alternatively threadably
5 engageable in each of said plurality of longitudinally spaced, transversely oriented

latching pin openings.

7. A tool according to Claim 2 wherein said inboard end of said tubular body member is formed with an externally threaded nipple and with a radial bore therein to receive a rod for tightening said nipple into a mounting structure.

8. A tool according to Claim 2 wherein said inboard end of said tubular body member is formed with an internally threaded socket.

9. A tool according to Claim 2 wherein said inboard end of said body member is formed with both an externally threaded nipple and with an internally threaded socket located coaxially within said externally threaded nipple.

10. A tool according to Claim 1 wherein said inboard end of said tubular body member is formed with an externally threaded nipple and further comprising a mounting support for positioning against a rotary sawblade of a power saw, wherein said mounting support is formed with an enlarged, stabilizing pad for bearing against an outside surface of a sawblade and a central hub having an internally threaded socket for receiving said nipple in threaded engagement therewith, and wherein a central axial aperture is defined in said hub to receive the shank of a sawblade anchoring arbor bolt.

11. A tool according to Claim 1 wherein said inboard end of said tubular body member is formed with an externally threaded nipple and further comprising a mounting nut for positioning against a rotary drive element of a power tool wherein said mounting nut is formed with external flats for engagement by a wrench and an internally threaded socket for receiving said nipple of said body member in threaded

engagement therewith, and wherein a central axial aperture is defined in said nut to receive the shank of an anchoring arbor bolt engageable with said rotary drive element.

12. An attachment device for beveling the end of a pipe comprising:

a hollow, tubular body member having a central, longitudinal axis of rotation, an inboard end configured for alternative attachment to different power tools and an opposite outboard end,

5 a core member disposed coaxially within said tubular body member and including a beveling cutter head and a longitudinal stem disposed within said tubular body member and longitudinally adjustable therewithin to vary the extent to which said beveling cutter head protrudes beyond said outboard end of said body member, and

10 a latching pin directed transversely through said tubular body member and engageable with said stem of said core member to longitudinally immobilize said core member at a specific one of a limited number of predetermined longitudinal distances of extension of said beveling cutter head beyond said outboard end of said body member.

13. A device according to Claim 12 wherein said tubular body has an annular wall, and a plurality of longitudinally spaced and longitudinally offset, transversely extending latching pin bores are defined through said annular wall, and said core member has a latching pin opening which may be alternatively aligned with each of said
5 transversely extending latching pin bores, whereby said latching pin is releaseably

engageable with said latching pin opening in said core member and concurrently with a single longitudinally aligned one of said latching pin bores.

14. A device according to Claim 13 wherein said latching pin opening in said core member is formed as a radial, annular groove in said stem, and adjacent ones of said latching pin bores in said wall of said body member are located on diametrically opposite sides of said central, longitudinal axis of rotation and are selectively tangentially aligned with said radial groove when said latching pin is engaged therein.

15. A device according to Claim 12 wherein said inboard end of said body member is formed with both an externally threaded nipple and also with an internally threaded socket located coaxially within said externally threaded nipple.

16. A tool for beveling the end of a pipe comprising:

a hollow, tubular body having a central, longitudinal axis of rotation, an inboard coupling end and an opposite outboard working end, and a plurality of longitudinally spaced, transversely directed latching pin bores of equal size defined therethrough,

a core member disposed coaxially within said tubular body and including a beveling cutter head and a longitudinal stem having a radially inwardly directed, circumferential latch position groove, and

a transversely oriented latching pin engaged in a selected one of said latching pin bores in said body and with said latch position groove of said core stem, whereby the alternative selection of each of said latch position bores for insertion

of said latching pin determines the longitudinal position of said core stem latch position groove within said body for engagement by said latching pin, and the extent of protrusion of said core member cutter head from said outboard end of said tubular body.

17. A tool according to Claim 16 wherein said inboard coupling end of said tubular body is formed with an externally threaded nipple, and further comprising a mounting support for positioning against a rotary sawblade of a power saw wherein said mounting support is formed with an enlarged, stabilizing pad for bearing against an outside surface of a sawblade and a central hub having an internally threaded socket for receiving said nipple in threaded engagement therewith.

18. A tool according to Claim 17 wherein a central axial aperture is defined in said a hub to receive the shank of a sawblade anchoring arbor bolt.

19. A tool according to Claim 16 wherein said latch position bores in said tubular body are internally threaded at a uniform pitch and diameter and said latching pin has a shank with a threaded portion having the same pitch and diameter.

20. A tool according to Claim 16 wherein said beveling cutter head is configured and said latching pin bores in said tubular body are spaced to produce bevels of depth of cut that differ from each other by about one-sixteenth of an inch.